Tricia L. Holman

see projects at portfolio: https://stormy9.github.io/

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Education

Western Oregon University

Applied Baccalaureate of Science → Computer Science

2017 ↔ 2020   GPA==3.6

2018\19: Edward B. Wright Computer Science Scholarship

Chemeketa Community College

Associate of Science → Computer Systems & Information Technology

2015 ↔ 2017   GPA==3.9

Languages + Frameworks

- → **C# + LINQ + Razor**
- → **ASP.NET \ MVC5**
  - → **entity \ identity**
- → **HTML5 + CSS3 + the DOM**
  - → **responsive design**
- → **BootStrap3+4**
- → **JavaScript / jQuery**
- → **AJAX + REST API's**
- → **JSON + YAML**
- → **Database design\dev:**
  - → **SQL / T-SQL + DDL**
  - → **mySQL / MariaDB**
  - → **mongoDB / Firebase**
  - → **Oracle APEX**
  - → **MS-SQL Server**
- → **LAMP stack + PHP**

WOU Senior Project

Software Engineering I + II + III

Petopia: Team Nerdvana :: Capstone Project \ Senior Sequence

A pet care web application for Pet Owners to find Pet Care Providers, and for pet lovers to earn income by registering as a Pet Care Provider.

Designed & developed data modeling & relational database to back the app

Features: User registration & login … **role selection** … profile creation for Pet Owners, Pets, & Care Providers … **photo handling** … Pet Care Appointment transaction system (book\request, confirm\decline, reschedule, cancel) with email confirmations & on-site notifications for both parties … **Pet Owner⇔ Care Provider ratings & comments** … pet badges … **proximity finder** … payment processing API… **security checks so only the right people can access particular pages**… input validation

Developed algorithm combining proximity + rating + badges to calculate a user score to recommend & rank Pet Care Providers to Pet Owners

Practiced Disciplined Agile Delivery for Inception\Design\Construction … developed Epics\User Stories\Descriptions\Tasks … Pivotal Tracker to plan & track sprints … Git(Hub) for version control & collaboration

My contributions: Petopia was my conception … all CSS\BootStrap & implementation of our user interface design … about 95% of the design & coding for our transactional system … nearly 95% of our project documentation

other projects from college career

Database Management

Term project: designed & developed relational database for fictional "Happy Tails Dog Walkers", using MS Access & writing DDL/SQL… multiple tables, forms, queries, reports – plus friendly user interface and all documentation, user guide, ERDs.   (*project=100% – class=98.7%*)

Systems Analysis

Term project: developed & documented plans, architecture, business rules, user stories, and flow diagrams\data modeling to augment & complement existing db app – evolving Happy Tails into fully functional, responsive, intuitive, user-friendly web app.   (*project=100% – class=99%*)

Web Application Development

Term project: re-worked (*purposely*) poorly designed\developed web app into responsive, functional, appealing design… including database interaction with user registration\log-in & security using SQL & PHP.   (*project=100% – class=96.7%*)

- → Python + pipenv \ Flask
- → Java \ object-oriented
- → XML + Markdown
- → VisualBasic \ event-driven
- → Haskell \ functional

useful things…

- → Git \ GitHub + Bash
- → Postman \ cURL \ Insomnia
- → Redis + Celery
- → nginx \ load balancing
- → Swagger + connexion
- → Azure \ web apps + DB
- → AWS \ VM's + DB
- → Heroku
- → VisualStudio \ Eclipse
  - → LINQpad
  - → other tools
- → software/unit testing + site/page validation
  - → pytest + coverage
  - → html \ css validation
- → Linux OS's
  - → Bash + CLI
- → Agile \ DAD
  - → Pivotal Tracker
  - → Slack + Discord
  - → lots of stuff!

post-grad fun…

- → node.js
- → react
- → angular
- → ASP.NET core
  - → making an API

Computer Science II ~ Java

Final project: designed/coded mini "shopping" app demonstrating GUI, file read/write, inheritance & polymorphism, try/catch blocks and exception handling. First experience with Java (skipped CS I). (*project=100% – class=97.6%*)

Information Management

Final [team] project: collaboratively designed & developed relational database for a fictional wine collector from ground up; using Oracle APEX and writing DDL/SQL… comprising multiple tables, forms, queries, & reports – plus intuitive & attractive user interface; documentation, modeling\ERDs, and user guide. (*project=100% – class=97%*)

Microservices Architecture

Term project: extracted activity logging to a microservice from monolithic web app "Wolfit" (*developed for our class from reddit API*)… self-taught python on the fly… project included pytest+coverage, mongoDB, writing & calling RESTful APIs, load balancing with nginx, handling asynchronous calls with redis+celery, using swagger+connexion for API management… on AWS VM + Linux via Chromebook! (*project graded incrementally – class=92%*)

Own / Operate Business
Stormcloud Enterprises ~ Independent Contractor
Mystery Shopping/Auditing ~ October 2010 to September 2015

- → Built professional working relationships with 100+ customer service research\evaluation consulting firms (my clients)
- → Successfully completed 1800+ audits, both undercover & revealed, at dozens of businesses in Northwest Oregon
- → Memorized & carried out a variety of complex scenarios to accurately fulfill shop or audit requirements
- → Objectively evaluated & documented customer service, facilities, inventory, and presentation; typically while remaining unnoticed
- → Produced professional, comprehensive reports per client specifications; prepared required documentation & evidence (including photos), with 12–24 hour turnaround
- → Set & managed schedule; developed spreadsheet to track clients, assignments, locations, dates/times, hours, mileage/ drive-time, supplies, payments/reimbursements pending\received, tax data

Receptionist / Phone Operator
Business Connections Answering Service
w/Discrete Math Summer Intensive ~ April to September 2018

- → Answered 150(+/-) calls per 6-hour shift on weekdays... lower call volume on Sundays – but more in-depth interaction\service
- → Handled calls for healthcare; veterinarians; lawyers; residential & commercial services; non-emergency police; county\city public service lines, various professional services